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| UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small> | Attorney Docket No. | 241205US2CRL |
| | First Inventor or Application Identifier | Michael Philip FITTON, et al. |
| | Title | CHANNEL ESTIMATION APPARATUS AND METHODS |
| Assignee Name: | | Kabushiki Kaisha Toshiba |
| Assignee Address: | | 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan |

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| APPLICATION ELEMENTS <small>See MPEP chapter 600 concerning utility patent application contents</small> | ADDRESS TO: Commissioner for Patents Mail Stop Patent Application Alexandria, Virginia 22313 |
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g. PTO/SB/17) <small>(Submit an original and a duplicate for fee processing)</small> 2. <input checked="" type="checkbox"/> Specification Total Sheets <input type="text" value="47"/> 3. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) Total Sheets <input type="text" value="5"/> 4. <input type="checkbox"/> Oath or Declaration Total Pages <input type="text"/> a. <input type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. §1.63(d)) <small>(for continuation/divisional with box 17 completed)</small> i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §1.63(d)(2) and 1.33(b). 5. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 6. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification or Sequence Listing on : i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> Paper c. <input type="checkbox"/> Statements verifying identity of above copies | ACCOMPANYING APPLICATION PARTS 7. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 8. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 9. <input type="checkbox"/> 37 C.F.R. §3.73(b) Statement <input type="checkbox"/> Power of Attorney <small>(when there is an assignee)</small> 10. <input type="checkbox"/> English Translation Document (if applicable) 11. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations (2) 12. <input type="checkbox"/> Preliminary Amendment 13. <input checked="" type="checkbox"/> White Advance Serial No. Postcard 14. <input type="checkbox"/> Certified Copy of Priority Document(s) <small>(if foreign priority is claimed)</small> 15. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 16. <input checked="" type="checkbox"/> Other: British Combined Search and Examination Report |

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application no.:
 Prior application information: Examiner: Group Art Unit:

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. Amend the specification by inserting before the first line the sentence:

☐ This application is a ☐ Continuation ☐ Division ☐ Continuation-in-part (CIP)
 of application Serial No. Filed on
☐ This application claims priority of provisional application Serial No. Filed

19. CORRESPONDENCE ADDRESS



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| Name: | Marvin J. Spivak | Registration No.: | 24,913 |
| Signature: | <i>Chmn McClelland</i> | Date: | 8/6/03 |
| Name: | C. Irvin McClelland | Registration No.: | |

Registration Number 21,124

03941 U.S. PTO
 10/634854
 08/06/03



Docket No. 241205US2CRL

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S) Michael Philip FITTON, et al.

SERIAL NO: New Application

FILING DATE: Herewith

FOR: CHANNEL ESTIMATION APPARATUS AND METHODS

FEE TRANSMITTAL

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

| FOR | NUMBER FILED | NUMBER EXTRA | RATE | CALCULATIONS |
|--|-----------------|-----------------|-----------|--------------|
| TOTAL CLAIMS | 66 - 20 = | 46 | x \$18 = | \$828.00 |
| INDEPENDENT CLAIMS | 9 - 3 = | 6 | x \$84 = | \$504.00 |
| <input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS (If applicable) | | | + \$280 = | \$0.00 |
| <input checked="" type="checkbox"/> LATE FILING OF DECLARATION | | | + \$130 = | \$130.00 |
| BASIC FEE | | | | \$750.00 |
| TOTAL OF ABOVE CALCULATIONS | | | | \$2,212.00 |
| <input type="checkbox"/> REDUCTION BY 50% FOR FILING BY SMALL ENTITY | | | | \$0.00 |
| <input type="checkbox"/> FILING IN NON-ENGLISH LANGUAGE | | | + \$130 = | \$0.00 |
| <input type="checkbox"/> RECORDATION OF ASSIGNMENT | | | + \$40 = | \$0.00 |
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☐ Please charge Deposit Account No. 15-0030 in the amount of _____ A duplicate copy of this sheet is enclosed.

☒ A check in the amount of **\$2,212.00** to cover the filing fee is enclosed.

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☒ The Director is hereby authorized to charge any additional fees which may be required for the papers being filed herewith and for which no check or credit card payment form is enclosed herewith, or credit any overpayment to Deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Date: 8/6/03


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